Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 14 Feb 2022 until 23:59 on Tuesday 15 Feb 2022

Forecast Issued on Monday 14 Feb 2022 at 02:35

Confidence: A very unsettled week with periods of wintry weather and very strong winds towards the end of the week. Uncertainty in timings of rainfall and low cloud detail but good confidence in general outline.

Headline for Monday 14 Feb 2022: Rain and sleet this morning, then a drier, brighter afternoon. Strong northerly winds later.

Mountain weather hazards on Monday 14 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Sleet	Cloudy	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
60%	60%	20%	10%	10%	10%

Forecast for Monday 14 Feb 2022

Weather: An area of rain and sleet will move across the area towards dawn, persisting during morning, freezing level will be between 800 and 1000m so the summits seeing some sleet and snow. There will be some breaks at times and mostly clearing by early afternoon, although it will remain quite cloudy through the afternoon

Chance of cloud-free hill tops above 800m: 30% rising to 70% by late afternoon, cloud will clear slowly during the afternoon as rain clears south.

Low cloud and visibility: Broken low cloud layers are likely in the morning from 400m and above, a few brighter spells may be found by late morning around eastern or southern fells. Cloud bases will become more scattered and lift to 600m in the afternoon with a few clear summits expected by later afternoon. Visibility will be moderate or poor in the morning and in sleet or summit snow visibility may be very poor at times with good navigation skills required. General visibility will be good by late afternoon.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Monday 14 Feb 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	25/29 N	29/35 N	27/34 NW	28/36 NW	28/35 NW	25/32 W	19/24 W
600	21/26 NW	22/29 NW	21/29 NW	24/33 NW	22/31 NW	20/28 W	17/24 W
300	13/26 N	12/26 N	11/26 NW	12/29 NW	9/26 NW	9/24 NW	7/20 W
Valley	17/29 N	12/26 NW	10/24 NW	11/25 NW	8/22 NW	8/21 W	7/19 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-8	-1/-9	-1/-8	-0/-8	-1/-9	-2/-10	-2/-9
600	1/-6	1/-6	2/-5	2/-4	1/-5	0/-6	0/-6
300	2/-2	3/-2	4/-0	5/1	3/-0	3/-1	2/-1
Valley	4/-0	5/1	6/3	7/4	6/3	5/2	4/2
Freezing Level*	700m	700m	800m	800m	700m	600m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Cold northwesterly winds will strengthen and be quite gusty by mid afternoon, freezing level will also lower adding to the wind chill effect.

Forecast for Tuesday 15 Feb 2022

Weather: Clear overnight but clouding over towards dawn as a band of rain will spread east during the morning which will fall as sleet on the summits.The rain will clear quite quickly in the morning with brisk, cold northwesterly winds afterwards, this will drive a few wintry showers through the area later on Tuesday, falling as snow above 600m.

Maximum wind: Southwesterly 25mph gusts 40-45mph, turning westerly later 20 mph with gusts 30mph.

Chance of cloud-free hill tops above 800m: 40% associated with rain and sleet moving east in the morning, improving to 70% in the afternoon as most fell tops seeing some clearance but cloud lowering in any wintry showers.

Low cloud and visibility: Scattered or broken cloud above 500m in the morning as rain and sleet moves east, visibility in the rain will be moderate for a time but improving quite readily by mid morning and cloud bases lifting. Some patches or scattered cloud will form around fell tops in any wintry afternoon showers and visibility may turn quite poor for a time as the shower passes.

Temperature: **Valleys:** Plus 5 or 6 Celsius.
At 800m: Minus 1 Celsius.
Freezing level: 6-800m

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Ground Conditions Supplement

Date: Sunday 13 February 2022. Location: Birkhouse Moor summit at 11:23 Full report: Another very wet and windy day with saturated ground conditions and many streams and rivers are now in spate. Much of the snow that fell over high ground yesterday has melted and with summit temperatures above freezing point, combined with lots of rain, any snow that remains was very soft and wet today. The snow level starts at around 700m although it is very patchy at this altitude, and the majority that remains is generally found on steep north and east-facing slopes above 800m. Striding and Swirral edge were a mixture of exposed wet rock and snow today, however, steep banks of unavoidable snow exist on the exit slopes of both of these routes. Colder conditions are in the forecast tomorrow with the freezing level expected to be around 700m. As such, much of today's wet snow will freeze and potentially be hard and icy. Further snow showers may also increase the amount of snow described here. As such, an ice axe and crampons/microspikes are all essential for anyone going above the snowline. Full winter clothing (warm and waterproof) including hats, gloves, spare layers, and equipment including a map, compass and a headtorch are also essential items for anyone venturing into the hills.
Issued at: 02:35 on Mon 14 Feb 2022

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